

WHAT IS CLAIMED IS:

1. A network apparatus for wireless transmission/reception of data streams having management information on wireless channels used for the data streams transmitted in a wireless manner among apparatuses in a network, said network apparatus comprising:

a processor operable to process an event, upon occurrence of the event in the network, by transmitting an event response signal comprising the management information corresponding to the event or by updating the management information corresponding to the event, thereby managing the wireless channels for the data streams transmitted in the wireless manner among the apparatuses in the network.

2. The apparatus as claimed in claim 1, wherein the management information comprises information on empty channels that are not used.

3. The apparatus as claimed in claim 1, wherein the management information comprises information on allocated wireless channels.

4. The apparatus as claimed in claim 1, wherein the management information comprises information on connection states of the apparatuses in the network according to an allocated wireless channel.

5. The apparatus as claimed in claim 1, wherein the management information comprises apparatus information on the apparatuses in the

network.

6. The apparatus as claimed in claim 1, wherein the management information comprises channel state information.

7. The apparatus as claimed in claim 1, wherein the event comprises an allocated channel request event operable to request a new allocated channel.

8. The apparatus as claimed in claim 1, wherein the event comprises an allocated channel sharing request event operable to request sharing of a currently allocated channel.

9. The apparatus as claimed in claim 1, wherein the event comprises a network participation request event operable to indicate participation in an already established network.

10. The apparatus as claimed in claim 1, wherein the event comprises an allocated channel releasing request event operable to indicate releasing of an already established, allocated channel.

11. The apparatus as claimed in claim 1, wherein the event comprises a network disconnection request event operable to indicate disconnection from an already established network.

12. A data-streaming server, comprising:

a control interface adapted to transmit and receive control signals to

and from a plurality of apparatuses in a network via a wired/wireless communication network;

a channel selection unit operable to select a channel available in the network; and

a wireless interface adapted to transmit data streams in the network.

13. The data-streaming server as claimed in claim 12, further comprising a network apparatus according to claim 1.

14. The data-streaming server as claimed in claim 12, further comprising a network apparatus according to 2.

15. The data-streaming server as claimed in claim 12, further comprising a network apparatus according to 3.

16. The data-streaming server as claimed in claim 12, further comprising a network apparatus according to 4.

17. The data-streaming server as claimed in claim 12, further comprising a network apparatus according to 5.

18. The data-streaming server as claimed in claim 12, further comprising a network apparatus according to 6.

19. The data-streaming server as claimed in claim 12, further comprising a network apparatus according to 7.

20. The data-streaming server as claimed in claim 12, further comprising a network apparatus according to 8.

21. The data-streaming server as claimed in claim 12, further comprising a network apparatus according to 9.

22. The data-streaming server as claimed in claim 12, further comprising a network apparatus according to 10.

23. The data-streaming server as claimed in claim 12, further comprising a network apparatus according to 11.

24. A data-streaming client, comprising:

a control interface adapted to transmit and receive control signals to and from a plurality of apparatuses in a network via a wired/wireless communication network;

a channel selection unit operable to select a channel available in the network; and

a wireless interface adapted to receive data streams in the network.

25. A network management method for wireless transmission/reception of a data stream, comprising:

collecting management information on wireless channels available for data streams transmitted in a wireless manner among apparatuses in a network via control interfaces adapted to transmit and receive control signals; and

upon occurrence of an event in the network, processing the event by

transmitting an event response signal that comprises collected management information corresponding to the event, or by updating the management information corresponding to the event.

26. The method as claimed in claim 25, wherein the management information comprises information on empty channels that are not used.

27. The method as claimed in claim 25, wherein the management information comprises information on allocated wireless channels.

28. The method as claimed in claim 25, wherein the management information comprises information on connection states of the apparatuses in the network according to an allocated wireless channel.

29. The method as claimed in claim 25, wherein the management information comprises apparatus information on the apparatuses in the network.

30. The method as claimed in claim 25, wherein the management information comprises channel state information.

31. The method as claimed in claim 25, wherein the event comprises an allocated channel request event operable to request newly allocated channel.

32. The method as claimed in claim 25, wherein the event comprises an allocated channel sharing request event operable to request

sharing of a currently allocated channel.

33. The method as claimed in claim 25, wherein the event comprises a network participation request event operable to indicate participation in an already established network.

34. The method as claimed in claim 25, wherein the event comprises an allocated channel releasing request event operable to indicate releasing of an already established, allocated channel.

35. The method as claimed in claim 25, wherein the event comprises a network disconnection request event operable to indicate disconnection from an already established network.

36. A network management method for wireless transmission/reception of data streams, comprising:

extracting apparatus information on apparatuses in a network, by a first data-streaming server, from management information on wireless channels available for data streams transmitted among the apparatuses in the network;

designating a second data-streaming server except the first data-streaming server, depending on the extracted information; and

generating, in the second data-streaming server, a module comprising management information on the wireless channels used for the data streams transmitted in a wireless manner among the apparatuses in the network and in which upon occurrence of an event in the network, wherein the module

processes the event by transmitting an event response signal comprising the management information corresponding to the event or by updating the management information corresponding to the event, thereby managing the wireless channels for the data streams transmitted in the wireless manner among the apparatuses in the network.